* A true-breeding purple-flowered plant is crossed with a true-breeding pink-flowered plant. All of the offspring have purple flowers.
* Draw a Punnett square to show this cross.

|  |  |  |
| --- | --- | --- |
|  | P | P |
| p | Pp | Pp |
| p | Pp | Pp |

* Draw another Punnett square to show what happens when the first generation purple-flowered plants self-pollinate.

|  |  |  |
| --- | --- | --- |
|  | P | p |
| P | PP | Pp |
| p | Pp | pp |

* Use P to represent the purple flower allele and p to represent the pink flower allele.